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Infrastructure, environment, facilities

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Subject:
Request for Data Usability Determination for Existing Kalamazoo River Data

Dear Mr. Saric:

Date:
August 30, 2007

This letter is provided to initiate the process of United States Environmental Protection Agency (USEPA) determination of the usability of existing data for purposes of the Supplemental Remedial Investigation/Feasibility Study (SRI/FS) for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Site).

Contact:
Michael J. Erickson

This letter also asks for confirmation that past electronic submissions of data have met the specifications of USEPA Region 5 and thus that future submissions will also meet these specifications. We also request that USEPA conduct a usability review of Supplemental Investigation data that was collected according to the 1999 Supplemental Investigation Work Plan.

Phone:
810.225.1924

In summary, we suggest the following process with respect to determination of data usability: 1) USEPA confirms the usability of existing data that has already been subject to an administrative approval process of one form or another, such as data collected by agency contractors, or KRSG data that was collected pursuant to agency-approved plans or agency directives; and 2) USEPA reviews and provides a determination of the usability of KRSG data collected during the Supplemental Investigation beginning in 1999, which were not administratively approved by the Michigan Department of Environmental Quality (MDEQ). It is our understanding that the second category will be the primary focus of the data usability evaluation.

Email:
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Our ref:
B0064524.0000.00500

Background

Section 1.1.2 of the Statement of Work (SOW), included as Attachment A to the 2007 Administrative Settlement Agreement and Order on Consent for Remedial Investigation /Feasibility Study (AOC) for the Allied Paper, Inc./Portage

Imagine the result

Creek/Kalamazoo River Superfund Site, requires the Kalamazoo River Study Group (KRSG) to compile existing Site data and states that:

“The use of existing Site data is subject to review by U.S. EPA to ensure data usability.”

Existing Site data is defined in the SOW to include

“...presently available data relating to the varieties and quantities of hazardous substances, pollutants, and contaminants at the Site; past disposal practices; the results of previous sampling activities; and information about past response actions and residual contamination at the Site.”

Exhibit C to the SOW is a partial listing of the existing Site data that is subject to review by USEPA to ensure its usability (Exhibit C is included as Attachment 1 to this letter for your reference). The Site data shown in Exhibit C has previously been submitted to USEPA or should otherwise be available to USEPA in the Kalamazoo River Database (a copy of this is contained in Attachment 2 on CDROM in Microsoft® Access format), various Technical Memoranda, the Draft RI/FS/Supplement Report and their Appendices, or in electronic format from various data files provided by the KRSG in the past.

Usability Determination for Remedial Investigation and Agency-Directed Data

On behalf of KRSG, ARCADIS BBL maintains a compilation of Site data. Table 1 provides a reference to the documents containing Site data collected under MDEQ oversight and approval, and identifies general potential Data Use Objectives (DUOs) for these data for purposes of the SRI/FS.

Most of the existing constituent concentration data for the Site has been collected pursuant to Work Plans, a Field Sampling Plan (FSP), and a Quality Assurance Project Plan (QAPP) approved by MDEQ and/or USEPA in conjunction with the Remedial Investigation (RI) conducted pursuant to a 1990 administrative order by consent with the State of Michigan. In addition to RI data collected under approved Work Plans developed by the KRSG over the period 1993 to 2006, additional data were collected at the direction of the MDEQ and USEPA from 2000 to 2006 using sampling and analytical protocols consistent with the RI data collection. The RI data and these agency-directed data have been utilized by multiple State and Federal

agencies involved in the assessment of, and remedial planning for, various areas of the Site.

Much of the RI data are presently made available to the public in electronic format on the National Oceanic and Atmospheric Administration (NOAA) Internet page via NOAA's Query Manager database application. USEPA has made use of these data for various purposes, including review and approval of KRSG's design for the former Plainwell Impoundment Time Critical Removal Action (TCRA) and the Area 1 SRI/FS Work Plan. MDEQ has also made extensive use of these data for various purposes.

KRSG requests that USEPA confirm the usability of the RI data and the agency-directed data presented in Table 1 (and summarized in the list below), given government involvement in, and/or approval of, the data collection and given the extensive use of the data by government agencies. If any additional information pertaining to these data is required for USEPA to provide a determination of usability, please notify KRSG.

- Remedial Investigation Data – These data were collected pursuant to the 1990 AOC and in accordance with MDEQ-approved planning documents. The data were submitted in a series of Technical Memoranda and in the draft 2000 RI Report. The Technical Memorandum presenting the floodplain soil data was approved by the MDEQ, and the Technical Memoranda presenting the biota data and the sediment probing data were finalized by the MDEQ in 2002.
- Focused Soil and Sediment Cores – These data were collected at the direction of the MDEQ from specific locations in the sediment and soil where MDEQ expected higher PCB concentrations to occur. MDEQ required that the focused samples be collected in early 2000 so that they could be reported in the draft RI Report (submitted in October 2000).
- Phase II Lower River Investigation Data – These data were collected at the direction of MDEQ in 2000 from the Kalamazoo River, its floodplain, and marshes downstream of Lake Allegan. Samples were collected according to an MDEQ-approved work plan and the 1993 FSP and QAPP. Sample collection and analyses were monitored by MDEQ and data submittals were routinely made throughout the process. The data were validated in accordance with the approved 1993 QAPP, and the validated data sheets

and data validation reports have been provided to MDEQ along with electronic submittals of the data.

- Former Plainwell Impoundment Investigations Data – These data were collected between 2003 and 2006 to supplement data from the RI and the Supplemental Investigation to support the design of a removal action. Data were collected pursuant to work plans transmitted by letter and pursuant to the direction of USEPA. Concurrence of the USEPA was sought prior to the sampling events. The data were used in the design of the TCRA.

Electronic Submission of Historical Data

Prior versions of the Kalamazoo River Database have been submitted to the USEPA, MDEQ, and their respective contractors since 2000 (and as recently as May 15 of this year), and have been used by USEPA and other agencies in developing plans in conjunction with KRSG for the TCRA and the Area 1 SRI Work Plan. From this we deduce that the data are presented in an appropriate format. We request that USEPA confirm that the Kalamazoo River Database format is acceptable for future electronic submittals.

Usability Determination for Supplemental Investigation Data

Data collected according to the Supplemental Investigation Work Plan was not subject to the same administrative approval process as the RI data. The Supplemental Investigation Work Plan (included as Appendix S-1 of the *Supplement to the Kalamazoo River RI/FS – Phase I* [Supplement Report]), was not reviewed by MDEQ; however, sampling was conducted using the same field and analytical protocols approved by MDEQ for the RI, and all data were validated in accordance with protocols and criteria in the MDEQ-approved QAPP. A list of the data collected according to the Supplemental Investigation Work Plan is presented in Table 2 and summarized below:

- Fish sampling at ten locations along the river, including carp fillet, smallmouth bass fillet, select panfish and whole-body fish sampling.
- Surface water sampling, including bi-weekly sampling at 14 locations along the river for one year, more intensive sampling of two high-flow events at the same locations, monthly sampling of major tributaries at their mouths, and two timed-transect sampling events.

- Sediment sampling, including the collection of approximately 400 cores between Morrow Dam and Allegan Dam to compare with 1993/1994 samples, the collection of 16 cores along four transects in Morrow Lake, the collection of finely-sectioned cores from all existing and former impounded areas for geochronological analysis, and the collection of sediment cores from throughout the river for analysis of geotechnical properties.
- Other physical data, including bathymetric mapping of the river and impoundments where possible, visual inspection and obstruction mapping of the bottom of Lake Allegan, a tree count survey in the three former impoundments, sediment erosion rate measurements, and erosion pin surveys in the exposed sediment of the three former impoundments.
- Ecological sampling to support an ecological risk assessment, performed under contract by Michigan State University. Utility of these data will be separately evaluated during the peer review described in the SRI/FS SOW attached to the AOC.

A suggested basis for approval of these Supplemental Investigation data sets is presented below for chemical analysis, radionuclide, and physical data.

Chemical Analysis Data

The chemical analysis data collected by KRSG (from the beginning of the RI/FS process to the present, including the Supplemental Investigation data) are internally consistent. Sampling and analysis during the Supplemental Investigation in 1999 through 2001 was conducted in accordance with the same protocols used to collect the earlier RI/FS data that were approved by MDEQ. The data collected according to the Supplemental RI/FS Work Plan are presented in the Supplement Report, which was not approved by MDEQ, and other miscellaneous transmittals, including the Kalamazoo River database (Attachment 2). Laboratory data sheets and validation reports for these data were submitted to MDEQ periodically as they became available.

Complete review of all of the Supplemental Investigation data would be a formidable task given the voluminous data set. The complete list of sample delivery groups (SDGs) is presented in Table 3—a total of 949 SDGs were obtained between July 1993 and August 2006. Each SDG contains full analytical data reporting for up to 20 samples and is accompanied by an associated data validation report prepared by

ARCADIS BBL. To facilitate review of the Supplemental Investigation chemical analysis data for determination of usability, it is suggested that USEPA examine the list of SDGs and indicate which SDGs USEPA would like to review. The list is segregated by area, media, and date of sample. Specific SDGs can be matched to specific samples of interest via the Kalamazoo River database (Attachment 2).

Under separate copy, the data packages for ten SDGs will be provided as examples. The ten SDGs are examples of groundwater, surface water, sediment, soil, and fish tissue data packages with corresponding validation reports. Specifically included are the following SDGs:

KLW004 – baseflow surface water samples collected in 2000

KLW009 – high-flow event surface water data collected in 2000

KAL014 – sediment samples collected in 1993 and analyzed in 1997

KAL061 – sediment samples collected in 1993 and analyzed in 1997

KAL093 – fish samples collected in 1999

KAL094 – fish samples collected in 1999

KAL240 – focused sediment samples collected in 2000

KAL254 – focused sediment samples collected in 2000

KAL294 – Willow Boulevard Site groundwater samples collected in 2000

KAL323 – Willow Boulevard Site groundwater samples collected in 2000

Radionuclide Data

In addition to polychlorinated biphenyl (PCB) and other analytical data, the Kalamazoo River database includes radionuclide data for the geochronological analysis of finely-sectioned cores. These data include cesium-137, lead-210, and beryllium-7, which are commonly analyzed in order to evaluate the history, deposition rates, and mixing depths of sediment. The first radionuclide samples were collected as part of the RI in accordance with the State-approved Work Plan, FSP, and QAPP. All radionuclide analyses were performed by Teledyne Brown Engineering, who was

also responsible for quality assurance/quality control for these data. In 2000, additional finely-sectioned cores were collected as part of the Supplemental Investigation; those cores were also collected in accordance with the State-approved Work Plan, FSP, and QAPP, and were also analyzed by the same Teledyne Brown Engineering personnel. Should USEPA require any additional information from the laboratory to evaluate the usability of this data, please notify the KRSG.

Physical Data

In addition to the chemical concentration data from analyzed samples, the Supplemental Investigations included collection of other data relating to physical conditions and sediment transport processes. These additional data sets are listed separately in Table 2, along with a reference to where each can be found. Each of these data collection activities is described in the Supplemental Investigation Work Plan. These data largely comprise non-subjective physical measurements and observations made in the field using standard, accepted procedures and equipment. These data have also been reported to MDEQ and should be available to USEPA. Please notify KRSG if any additional information is needed in order for USEPA to assess the usability of this data.

Usability Determination for Other Data

In addition to data collected by the KRSG, whether approved or non-approved, a considerable amount of data has been collected by state and federal agencies or by others under contract to state or federal agencies. These data include United States Geological Survey (USGS) studies of the former impoundments, USEPA's own Phase I and Phase II sampling of sediment and soil in the Otsego City and former Plainwell Impoundments, and all the sediment, fish, and surface water data collected since 1999 as part of MDEQ's long-term monitoring program. Agency data and studies are included in Table 1 as agency-approved or agency-directed data sets. These data were collected by a government agency, are publicly available, and are presumed to be acceptable to USEPA for use for SRI/FS purposes, if needed.

Finally, with regard to the historical data collected prior to the RI/FS process: Those data are not included in the Kalamazoo River database and have not been validated with the rigor of the RI and later data collected by the KRSG. While those data are not used for site characterization purposes, they are important in providing a historical perspective to PCB in the Kalamazoo River for comparison to current conditions and changes in transport and availability of PCB over time. The majority of

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Mr. James Saric
August 30, 2007

the historical data were collected by or for state agencies, and the level of supporting information varies considerably. The historical (pre-RI) data that have been used by the KRSG (and MDEQ) are compiled and reported in the 1993 *Description of Current Situation*, which was approved by the MDEQ.

Please contact me with questions or comments. We look forward to working with USEPA to complete the determination of usability for the datasets described above. Additional requests for determination of other existing information may be submitted in the future.

Sincerely,

ARCADIS of New York, Inc.



Michael J. Erickson
Associate Vice President

Attachments: Exhibit C
Tables 1, 2 and 3

Cc: Paul Bucholtz, MDEQ .
Bonnie A. Barnett, Esq., Drinker Biddle & Reath LLP
Steven D. Cook, Esq., Millennium Holdings, LLC
J. Michael Davis, Esq., Georgia-Pacific Corporation
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Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Supplemental Remedial Investigations/Feasibility Studies
Request for Data Usability Determination for Existing Kalamazoo River Data

**Exhibit C – Available Site Investigation Data for Characterizing the Allied Paper,
Inc./Portage Creek/Kalamazoo River Superfund Site**

	Investigation	Data Generated
KRSG Data	Remedial Investigations	Sediment transect probing data, 1993 Sediment PCB and TOC data, 1993 Sediment particle size data, 1993 Floodplain soil data, 1993 Exposed sediment PCB and TOC data, 1993 Surface water data, 1993 Fish data, multiple locations, 1993 Exposed sediment earthworm and mouse sampling, 1993
	Supplemental Investigations	Fish data, multiple locations, 1999 Geotechnical sediment sampling, 1999 Sediment PCB and TOC data, 1999 OSI bathymetry maps, 1999 Sediment erodibility data (Lick, UCSB), 1999 Surface water PCB loading data, 1999-2000 Erosion pin measurements, 2000-2002 Ecological risk assessment sampling (Giesy) Finely-sectioned sediment PCB, TOC, and radionuclide data, 1999 Diver survey of Lake Allegan (2000)
	Phase II Lower River Investigations (Lake Allegan to Lake Michigan)	Sediment transect probing data, 2000 Sediment PCB and TOC data, 2000 Sediment particle size data, 2000 Floodplain soil data, 2000 Kalamazoo Lake sediment data, 2000 Pottowattamie Marsh and Ottawa Marsh soil data, 2000
	Former Plainwell Impoundment Investigations	Plainwell bank profile survey data, 2003 Plainwell top-of-bank PCB sampling, 2003 Plainwell habitat description and classification, 2003 2006 sediment sampling in support of removal design
	Agency Data	MDEQ Long-Term Monitoring Data (sediment, surface water, fish) USEPA Phase I (grid) sediment and soil sampling, 2001 USEPA Phase II (radial) sediment and soil sampling, 2001

Notes:

PCB = polychlorinated biphenyls

TOC = total organic carbon

KRSG = Kalamazoo River Study Group

MDEQ = Michigan Department of Environmental Quality

USEPA = United States Environmental Protection Agency

OSI = Ocean Surveys, Inc.

USCB = University of California, Santa Barbara

Kalamazoo River Study Group
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Table 1 -- Kalamazoo River Data Collected Under Agency Approval or at Agency Directive

Program	Collected Pursuant To [#]	Data	Data Uses	RI QA/QC	In KRSG Database	Data Reference(s)	
Remedial Investigation 1993 RI/FS River Work Plan (Agency Approved)		Sediment transect probing data, 1993	Site characterization	NA	Yes	1, 2, 3	
		Sediment PCB and TOC data, 1993	Site characterization, risk assessment, trend analyses	Yes	Yes	2, 3	
		Sediment particle size data, 1993	Site characterization	Yes	Yes	2, 3	
		Floodplain soil data, 1993	Site characterization, risk assessment	Yes	Yes	2, 3, 4, 5	
		Exposed sediment PCB and TOC data, 1993	Site characterization, risk assessment	Yes	Yes	2, 3, 6	
		Surface water data, 1993	Site characterization, risk assessment, trend analyses, PCB transport	Yes	Yes	2, 7	
		Fish data, several locations, 1993-1994, 1997	Site characterization, risk assessment, trend analyses	Yes	Yes	2, 3, 8	
		Geochronological sediment sampling, 1994	Site characterization, sediment dating, sediment and PCB transport, trend analyses			2, 3, 6	
		Exposed sediment, earthworm and mouse sampling, 1993	Site characterization, risk assessment	Yes	Yes	2, 3, 6, 8, 9, 10	
Focused Agency Direction	Focused Agency Direction Phase II Lower River Investigation (Lake Allegan to Lake Michigan)	Focused soil and sediment sampling, 2000	Site characterization	Yes	Yes	2, 3	
		Sediment transect probing data, 2000	Site characterization	NA	Yes	3	
		Sediment PCB and TOC data, 2000	Site characterization, risk assessment, trend analyses	Yes	Yes	3	
		Sediment particle size data, 2000	Site characterization	Yes	Yes	3	
		Floodplain soil data, 2000	Site characterization, risk assessment	Yes	Yes	3	
		Kalamazoo Lake sediment data, 2000	Site characterization, risk assessment	Yes	Yes	3	
Former Plainwell Impoundment Investigations	Letter Work Plans (Agency Approved)	Pottowattamie Marsh and Ottawa Marsh soil data, 2000	Site characterization, risk assessment	Yes	Yes	3	
		Plainwell bank profile survey data, 2003	Site characterization, bank erosion and PCB transport	NA	Yes	11	
		Plainwell top-of-bank PCB sampling, 2003	Site characterization, bank erosion and PCB transport	Yes	Yes	3, 11	
		Plainwell habitat description and classification	Site characterization	NA	NA	12	
		Sediment sampling in support of removal design, 2006	Site characterization	Yes	Yes	12	

Kalamazoo River Study Group
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Table 1 -- Kalamazoo River Data Collected Under Agency Approval or at Agency Directive

Program	Collected Pursuant To	Data	Data Uses	RI QA/QC	In KRSG Database	Data Reference(s)
Agency Data/Studies	Various Plans	USGS former impoundment studies, 2000	Site characterization, sediment transport analysis	NA	No	3, 13
		GZA Donohue topographic and geomorphological study, 1990	Site characterization, sediment transport analysis	NA	NA	14
		Dam inspection reports, 1995, 1996	Site characterization	NA	NA	15 - 20
		USEPA Phase I (grid) sediment and soil sampling, 2001	Site characterization, risk assessment	NA	No	3, 21
		USEPA Phase II (radial) sediment and soil sampling, 2001	Site characterization, risk assessment	NA	No	3, 21
		MDEQ mink and muskrat data, 1993-1994	Site characterization, risk assessment	NA	No	22
		USGS flow and TSS data from Comstock, Plainwell, and Allegan (on-going)	Site characterization, PCB transport	NA	No	23
		MDEQ Long-Term Monitoring Data (sediment, surface water, fish, SPMD), 1999-2006	Site characterization, risk assessment, trend analyses	NA	No	3*, 24 - 27
		Design of temporary dam repair (CDM), 2000	Site characterization	NA	NA	28 - 30

Notes: RI QA/QC - indicates data were collected and validated in compliance with agency-approved QA/QC documents, including the FSP, QAPP, HASP, and Data Management

NA - Not applicable

* Includes only MDEQ Long-term Monitoring sediment, fish and SPMD data (1999-2003).

- References:
1. MDEQ. 2002. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Remedial Investigation/Feasibility Study - Technical Memorandum 10 - Sediment
 2. BBL. 2000. Draft Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Remedial Investigation/
 3. NOAA Query Manager. (<http://response.restoration.noaa.gov>)
 4. BBL. 1994. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Technical Memorandum 3 - Results of the Floodplain Soils Investigation (Syracuse, NY:
 5. BBL. 1996. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Addendum 1 to Technical Memorandum 3 - Floodplain Soils Investigation (Syracuse, NY:
 6. BBL. 1994. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Draft Technical Memorandum 12 - Former Impoundment Sediment Investigation
 7. BBL. 1995. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Draft Technical Memorandum 16 - Surface Water Investigation (Syracuse, NY: March
 8. MDEQ. 2002. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Final Technical Memorandum 14-Biota Investigation (Lansing, MI: January 2002).
 9. BBL. 1994. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Technical Memorandum 2 - Results of Phase 1 TBSA Soil Sampling (Syracuse, NY:
 10. BBL. 2000. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Addendum to Technical Memorandum 2 - Results of the Phase 2 Terrestrial Biota
 11. BBL. 2003. Former Plainwell Impoundment Bank Characterization Technical Memorandum (Syracuse, NY: 2003)
 12. ARCADIS BBL. 2007. Former Plainwell Impoundment Time-Critical Removal Action Design Report (Syracuse, NY: February 2007).
 13. USGS. 2002. Sediment Characteristics and Configuration within Three Dam Impoundments on the Kalamazoo River, Michigan, 2000 (Lansing, MI: 2002).
 14. GZA-Donohue. 1990. Interim Remedial Action for Portions of the Kalamazoo River System - Conceptual Design Technical Memorandum (August 1990).
 15. Hayes, J.C., MDNR. 1995. Dam Safety Inspection Report - Plainwell Dam #1 (Lansing, MI: February 6, 1995).
 16. Hayes, J.C., MDNR. 1995. Dam Safety Inspection Report - Otsego Dam (Lansing, MI: February 6, 1995).
 17. Hayes, J.C., MDNR. 1995. Dam Safety Inspection Report - Trowbridge Dam (Lansing, MI: February 6, 1995).

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Request for Data Usability Determination for Existing Kalamazoo River Data

Table 1 -- Kalamazoo River Data Collected Under Agency Approval or at Agency Directive

Program	Collected Pursuant To	Data	Data Uses	RI QA/QC	In KRSG Database	Data Reference(s)
18.	Hayes, J.C., MDNR. 1996. Dam Safety Inspection Report - Otsego Dam (Lansing, MI: June 3, 1996).					
19.	Hayes, J.C., MDNR. 1996. Dam Safety Inspection Report - Plainwell Dam #1 (Lansing, MI: December 18, 1996).					
20.	Hayes, J.C., MDNR. 1996. Dam Safety Inspection Report - Trowbridge Dam (Lansing, MI: December 18, 1996).					
21.	Weston. 2002. Removal Assessment Report for Allied Paper Kalamazoo River Site, Otsego/Plainwell, Michigan (Chicago, IL: February 2002).					
22.	CDM. 1997. Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site - Final Technical Memorandum Mink/Muskrat Biota Sampling (Detroit, MI: October					
23.	National Water Information System. (http://waterdata.usgs.gov/nwis)					
24.	MDEQ. 2001. Final Report on the API/PC/KR Superfund Site Long-Term Monitoring Program: Results from the 1999 Field Season (Lansing, MI: February 2001).					
25.	MDEQ. 2002. Long-Term Monitoring Program Results from the 2000 Field Season-Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Lansing, MI:					
26.	MDEQ. 2002. Allied Paper Inc./Portage Creek/ Kalamazoo River Superfund Site Long Term Monitoring Program Long Term Monitoring Program 2001 Field Season					
27.	MDEQ. 2003. Allied Paper Inc./Portage Creek/Kalamazoo River Superfund Site Inlet – Outlet Investigation (Lansing, MI: June 2003).					
28.	CDM. 2000. Allied Paper Inc./Portage Creek/Kalamazoo River Superfund Site Contract Documents for Plainwell Dam Repairs (Detroit, MI: November 2000).					
29.	CDM. 2000. Allied Paper Inc./Portage Creek/Kalamazoo River Superfund Site Contract Documents for Otsego Dam Repairs (Detroit, MI: November 2000).					
30.	CDM. 2000. Allied Paper Inc./Portage Creek/Kalamazoo River Superfund Site Contract Documents for Trowbridge Dam Repairs (Detroit, MI: November 2000).					

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Table 2 -- Kalamazoo River Data Collected during Supplemental Investigations 1999 to 2002

Program	Collected Pursuant To	Data	General Potential Data Use Objectives			RI QA/QC	In KRSG Database	In NOAA Query Manager
Chemical Data								
Supplement Investigation Work Plan (BBL, 2000)		Fish data, several locations, 1999	Site characterization, risk assessment, trend analyses		Yes	Yes	Yes	
		Geotechnical sediment sampling, 2000	Site characterization, sediment and PCB transport, alternatives evaluation		NA	NA	NA	
		Sediment PCB and TOC data, 2000	Site characterization, risk assessment, trend analyses		Yes	Yes	Yes	
		Surface water PCB, TSS, and flow data, 2000-2001	Transport calculations and trend analyses		Yes	Yes	NA	
		Geochronological sediment sampling, 2000	Site characterization, sediment dating, PCB transport calculations, trend analyses		Yes	Yes	Yes	
		Ecological risk assessment sampling, 1999, 2000 (Giesy)	Site characterization, risk assessment (subject to peer review)		Yes	No	No	
		Physical Data and Sediment Transport Data						
		OSI bathymetry maps, 2000	Site characterization, modeling, alternatives evaluation		NA	NA	NA	
		Sediment erosion rate measurements (Lick, UCSB), 2000	Resuspension analysis		NA	No	No	
		Erosion pin measurements, 2000 – 2002	Bank erosion calculations		NA	Yes	No	
		Diver Survey of Lake Allegan, 2000	Site characterization, alternatives evaluation		NA	NA	NA	

Notes: RI QA/QC - indicates data were collected and validated in compliance with agency-approved QA/QC documents, including the FSP, QAPP, HASP, and Data Management Plan.
 NA - Not applicable

- References:
1. BBL. 2000. Draft Supplement to the Kalamazoo River RI/FS – Phase I (Syracuse, NY: October 2000).
 2. BBL. 2001. Draft PCB in the Kalamazoo River – Update for Decision Makers (Syracuse, NY: August 2001).
 3. NOAA Query Manager. (<http://response.restoration.noaa.gov>)
 4. Brown, M.P., BBL. 2000. Letter to J. Brian von Gunten, MDEQ re: Kalamazoo River Supplemental Data (Syracuse, NY: December 15, 2000).
 5. BBL. 2001. Erosion Pin Monitoring Report (Syracuse, NY: June 2001).
 6. BBL. 2002. Erosion Pin Monitoring Report (Syracuse, NY: March 2002).
 7. BBL. 2003. Erosion Pin Monitoring Report (Syracuse, NY: January 2003).

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
Allied OU			
38097	RESIDUALS	A60	30-Jul-93
38098	RESIDUALS	A60	26-Jul-93
38128	RESIDUALS	A60	04-Aug-93
38188	RESIDUALS	A60	05-Aug-93
38292	RESIDUALS	A60	30-Jul-93
38361	RESIDUALS	A60	12-Aug-93
38553	RESIDUALS	A60	16-Aug-93
38643	RESIDUALS	A60	12-Aug-93
38770	RESIDUALS	A60	17-Aug-93
38880	RESIDUALS	A60	17-Aug-93
38887	RESIDUALS	A60	17-Aug-93
38090	SOIL	A60	30-Jul-93
38091	SOIL	A60	30-Jul-93
38292	SOIL	A60	27-Jul-93
38352	SOIL	A60	10-Aug-93
38543	SOIL	A60	16-Aug-93
38553	SOIL	A60	12-Aug-93
38656	SOIL	A60	20-Aug-93
38875	SOIL	A60	23-Aug-93
38893	SOIL	A60	26-Aug-93
39680	SOIL	A60	24-Sep-93
39684	SOIL	A60	24-Sep-93
41293	SOIL	A60	14-Dec-93
40261	SEDIMENT	A63	19-Oct-93
39726	GROUNDWATER	A66	01-Oct-93
39825	GROUNDWATER	A66	05-Oct-93
39890	GROUNDWATER	A66	07-Oct-93
39948	GROUNDWATER	A66	08-Oct-93
41311	GROUNDWATER	A66	29-Sep-93
44723	GROUNDWATER	A66	29-Sep-93
46546	GROUNDWATER	A66	30-Sep-93
KAL073	GROUNDWATER	A66	07-May-98
KAL282	GROUNDWATER	A66	27-Oct-00
KAL286	GROUNDWATER	A66	14-Nov-00
39499	SURFACE WATER	A66	18-Sep-93
40199	SURFACE WATER	A66	21-Oct-93
40278	SURFACE WATER	A66	20-Oct-93
41106	SURFACE WATER	A66	03-Dec-93
43546	SURFACE WATER	A66	14-Apr-94
43567	SURFACE WATER	A66	14-Apr-94
KAL088	SURFACE WATER	A66	10-May-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL089	SURFACE WATER	A66	08-Sep-99
40909	RESIDUALS	A69	19-Nov-93
Mill Properties			
44741	RESIDUALS	F50	10-Jun-94
44741	SOIL	F50	10-Jun-94
992249	AIR	G	18-May-99
992793	AIR	G	12-Jun-99
992845	AIR	G	15-Jun-99
992885	AIR	G	17-Jun-99
992911	AIR	G	18-Jun-99
992933	AIR	G	19-Jun-99
993063	AIR	G	28-Jun-99
993360	AIR	G	15-Jul-99
993377	AIR	G	16-Jul-99
993420	AIR	G	18-Jul-99
993460	AIR	G	20-Jul-99
993471	AIR	G	21-Jul-99
993495	AIR	G	22-Jul-99
993509	AIR	G	23-Jul-99
993624	AIR	G	27-Jul-99
993684	AIR	G	30-Jul-99
993697	AIR	G	31-Jul-99
993811	AIR	G	05-Aug-99
993862	AIR	G	09-Aug-99
993885	AIR	G	10-Aug-99
993914	AIR	G	11-Aug-99
993951	AIR	G	13-Aug-99
993988	AIR	G	16-Aug-99
994021	AIR	G	17-Aug-99
994037	AIR	G	18-Aug-99
994081	AIR	G	19-Aug-99
994106	AIR	G	20-Aug-99
994127	AIR	G	23-Aug-99
994143	AIR	G	24-Aug-99
994176	AIR	G	25-Aug-99
994189	AIR	G	26-Aug-99
994223	AIR	G	27-Aug-99
994245	AIR	G	30-Aug-99
994266	AIR	G	31-Aug-99
994356	AIR	G	01-Sep-99
994466	AIR	G	09-Sep-99
994504	AIR	G	11-Sep-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
994608	AIR	G	15-Sep-99
994725	AIR	G	22-Sep-99
994768	AIR	G	23-Sep-99
995574	AIR	G	02-Nov-99
44742	RESIDUALS	G52	09-Jun-94
44742	SOIL	G52	09-Jun-94
992545	SOIL	G52	02-Jun-99
993496	SOIL	G52	22-Jul-99
993625	SOIL	G52	28-Jul-99
993810	SOIL	G52	05-Aug-99
994299	SOIL	G52	31-Aug-99
994313	SOIL	G52	31-Aug-99
994626	SOIL	G52	16-Sep-99
994759	SOIL	G52	23-Sep-99
995030	SOIL	G52	05-Oct-99
993358	SOIL	G53	15-Jul-99
993376	SOIL	G53	16-Jul-99
993419	SOIL	G53	17-Jul-99
993695	SOIL	G53	02-Aug-99
993809	SOIL	G53	05-Aug-99
King Highway Landfill OU			
992249	AIR	H	18-May-99
992793	AIR	H	12-Jun-99
992845	AIR	H	15-Jun-99
992885	AIR	H	17-Jun-99
992911	AIR	H	18-Jun-99
992933	AIR	H	21-Jun-99
992963	AIR	H	22-Jun-99
992996	AIR	H	23-Jun-99
993063	AIR	H	28-Jun-99
993360	AIR	H	15-Jul-99
993377	AIR	H	16-Jul-99
993420	AIR	H	18-Jul-99
993460	AIR	H	20-Jul-99
993471	AIR	H	21-Jul-99
993495	AIR	H	22-Jul-99
993509	AIR	H	23-Jul-99
993624	AIR	H	27-Jul-99
993684	AIR	H	30-Jul-99
993697	AIR	H	31-Jul-99
993811	AIR	H	05-Aug-99
993862	AIR	H	09-Aug-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
993885	AIR	H	10-Aug-99
993914	AIR	H	11-Aug-99
993951	AIR	H	13-Aug-99
993988	AIR	H	16-Aug-99
994021	AIR	H	17-Aug-99
994037	AIR	H	18-Aug-99
994081	AIR	H	19-Aug-99
994106	AIR	H	20-Aug-99
994127	AIR	H	23-Aug-99
994143	AIR	H	24-Aug-99
994176	AIR	H	25-Aug-99
994189	AIR	H	26-Aug-99
994223	AIR	H	27-Aug-99
994245	AIR	H	30-Aug-99
994266	AIR	H	31-Aug-99
994356	AIR	H	03-Sep-99
994466	AIR	H	09-Sep-99
994504	AIR	H	11-Sep-99
994608	AIR	H	15-Sep-99
994625	AIR	H	16-Sep-99
994666	AIR	H	18-Sep-99
994687	AIR	H	21-Sep-99
994725	AIR	H	22-Sep-99
994768	AIR	H	24-Sep-99
994812	AIR	H	28-Sep-99
994970	AIR	H	04-Oct-99
995063	AIR	H	07-Oct-99
995078	AIR	H	08-Oct-99
995107	AIR	H	11-Oct-99
995124	AIR	H	12-Oct-99
995149	AIR	H	13-Oct-99
995207	AIR	H	14-Oct-99
995213	AIR	H	15-Oct-99
995243	AIR	H	18-Oct-99
995282	AIR	H	19-Oct-99
995303	AIR	H	20-Oct-99
995366	AIR	H	22-Oct-99
995383	AIR	H	25-Oct-99
995411	AIR	H	26-Oct-99
995471	AIR	H	28-Oct-99
995538	AIR	H	02-Nov-99
995574	AIR	H	02-Nov-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
38113	RESIDUALS	H80	29-Jul-93
38118	RESIDUALS	H80	04-Aug-93
38414	RESIDUALS	H80	04-Aug-93
38477	RESIDUALS	H80	09-Aug-93
38562	RESIDUALS	H80	09-Aug-93
38569	RESIDUALS	H80	09-Aug-93
38113	SOIL	H80	29-Jul-93
38116	SOIL	H80	29-Jul-93
38249	SOIL	H80	09-Aug-93
38676	SOIL	H80	11-Aug-93
38678	SOIL	H80	17-Aug-93
38133	GROUNDWATER	H84	22-Jul-93
39622	GROUNDWATER	H84	22-Sep-93
39946	GROUNDWATER	H84	22-Sep-93
KAL342	GROUNDWATER	H85	
40263	SURFACE WATER	H87	18-Oct-93
994357	SURFACE WATER	H87	03-Sep-99
994389	SURFACE WATER	H87	04-Sep-99
994499	SURFACE WATER	H87	08-Sep-99
994533	SURFACE WATER	H87	13-Sep-99
994651	SURFACE WATER	H87	19-Sep-99
994685	SURFACE WATER	H87	21-Sep-99
994724	SURFACE WATER	H87	22-Sep-99
994760	SURFACE WATER	H87	23-Sep-99
994770	SURFACE WATER	H87	24-Sep-99
994811	SURFACE WATER	H87	27-Sep-99
994837	SURFACE WATER	H87	28-Sep-99
44001	GROUNDWATER	H88	05-May-94
Kalamazoo River			
37807	FLOODPLAIN SOIL	K10	08-Jul-93
37849	FLOODPLAIN SOIL	K10	08-Jul-93
37852	FLOODPLAIN SOIL	K10	09-Jul-93
37856	FLOODPLAIN SOIL	K10	13-Jul-93
37880	FLOODPLAIN SOIL	K10	21-Jul-93
37919	FLOODPLAIN SOIL	K10	14-Jul-93
37978	FLOODPLAIN SOIL	K10	14-Jul-93
37980	FLOODPLAIN SOIL	K10	16-Jul-93
38002	FLOODPLAIN SOIL	K10	21-Jul-93
38075	FLOODPLAIN SOIL	K10	03-Aug-93
38383	FLOODPLAIN SOIL	K10	03-Aug-93
38393	FLOODPLAIN SOIL	K10	03-Aug-93
KAL208	FLOODPLAIN SOIL	K10	28-Mar-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL209	FLOODPLAIN SOIL	K10	29-Mar-00
KAL210	FLOODPLAIN SOIL	K10	30-Mar-00
KAL211	FLOODPLAIN SOIL	K10	30-Mar-00
KAL212	FLOODPLAIN SOIL	K10	30-Mar-00
KAL231	FLOODPLAIN SOIL	K10	18-Apr-00
KAL232	FLOODPLAIN SOIL	K10	19-Apr-00
KAL233	FLOODPLAIN SOIL	K10	19-Apr-00
KAL236	FLOODPLAIN SOIL	K10	09-May-00
KAL237	FLOODPLAIN SOIL	K10	09-May-00
KAL240	FLOODPLAIN SOIL	K10	12-May-00
KAL241	FLOODPLAIN SOIL	K10	12-May-00
KAL242	FLOODPLAIN SOIL	K10	12-May-00
KAL243	FLOODPLAIN SOIL	K10	17-May-00
KAL244	FLOODPLAIN SOIL	K10	18-May-00
KAL245	FLOODPLAIN SOIL	K10	22-May-00
KAL246	FLOODPLAIN SOIL	K10	01-Jun-00
KAL247	FLOODPLAIN SOIL	K10	01-Jun-00
KAL248	FLOODPLAIN SOIL	K10	02-Jun-00
KAL249	FLOODPLAIN SOIL	K10	02-Jun-00
KAL251	FLOODPLAIN SOIL	K10	07-Jun-00
KAL252	FLOODPLAIN SOIL	K10	07-Jun-00
KAL253	FLOODPLAIN SOIL	K10	13-Jun-00
KAL254	FLOODPLAIN SOIL	K10	13-Jun-00
KAL255	FLOODPLAIN SOIL	K10	14-Jun-00
KAL256	FLOODPLAIN SOIL	K10	07-Jul-00
KAL257	FLOODPLAIN SOIL	K10	07-Jul-00
KAL260	FLOODPLAIN SOIL	K10	12-Jul-00
KAL261	FLOODPLAIN SOIL	K10	19-Jul-00
KAL262	FLOODPLAIN SOIL	K10	19-Jul-00
KAL263	FLOODPLAIN SOIL	K10	04-Aug-00
KAL264	FLOODPLAIN SOIL	K10	28-Mar-00
KAL265	FLOODPLAIN SOIL	K10	29-Mar-00
KAL266	FLOODPLAIN SOIL	K10	30-Mar-00
KAL267	FLOODPLAIN SOIL	K10	30-Mar-00
KAL268	FLOODPLAIN SOIL	K10	20-Apr-00
KAL269	FLOODPLAIN SOIL	K10	02-Jun-00
45674	SEDIMENT	K10	07-Sep-00
45675	SEDIMENT	K10	07-Sep-00
KAL316	SEDIMENT	K10	07-Sep-00
KAL317	SEDIMENT	K10	07-Sep-00
KAL334	SEDIMENT	K10	20-Dec-00
39843	FLOODPLAIN SOIL	K12	01-Oct-93

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
40152	FLOODPLAIN SOIL	K12	15-Oct-93
40734	FLOODPLAIN SOIL	K12	11-Nov-93
40738	FLOODPLAIN SOIL	K12	12-Nov-93
40869	FLOODPLAIN SOIL	K12	12-Nov-93
42981	SEDIMENT	K16	16-Mar-94
42984	SEDIMENT	K16	16-Mar-94
42988	SEDIMENT	K16	17-Mar-94
42993	SEDIMENT	K16	17-Mar-94
43010	SEDIMENT	K16	17-Mar-94
55627	SEDIMENT	K16	28-Nov-95
55630	SEDIMENT	K16	29-Nov-95
55847	SEDIMENT	K16	28-Nov-95
55852	SEDIMENT	K16	29-Nov-95
55859	SEDIMENT	K16	29-Nov-95
55860	SEDIMENT	K16	29-Nov-95
KAL278	SEDIMENT	K16	23-Mar-00
KAL279	SEDIMENT	K16	23-Mar-00
KAL280	SEDIMENT	K16	23-Mar-00
KAL283	SEDIMENT	K16	24-Mar-00
KAL284	SEDIMENT	K16	24-Mar-00
KAL285	SEDIMENT	K16	24-Mar-00
KAL287	SEDIMENT	K16	27-Mar-00
KAL288	SEDIMENT	K16	28-Mar-00
KAL289	SEDIMENT	K16	28-Mar-00
KAL291	SEDIMENT	K16	28-Mar-00
KAL292	SEDIMENT	K16	30-Mar-00
KAL293	SEDIMENT	K16	31-Mar-00
KAL295	SEDIMENT	K16	31-Mar-00
KAL296	SEDIMENT	K16	04-Apr-00
KAL297	SEDIMENT	K16	05-Apr-00
KAL298	SEDIMENT	K16	06-Apr-00
KAL299	SEDIMENT	K16	06-Apr-00
KAL300	SEDIMENT	K16	06-Apr-00
L10911	SEDIMENT	K16	23-Mar-00
L10945	SEDIMENT	K16	24-Mar-00
L10946	SEDIMENT	K16	24-Mar-00
L11010	SEDIMENT	K16	28-Mar-00
L11011	SEDIMENT	K16	27-Mar-00
L11013	SEDIMENT	K16	29-Mar-00
L11014	SEDIMENT	K16	28-Mar-00
L11112	SEDIMENT	K16	30-Mar-00
L11189	SEDIMENT	K16	31-Mar-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
L11375	SEDIMENT	K16	31-Mar-00
L11390	SEDIMENT	K16	04-Apr-00
L11872	SEDIMENT	K16	04-Apr-00
L11874	SEDIMENT	K16	05-Apr-00
L11892	SEDIMENT	K16	06-Apr-00
L11903	SEDIMENT	K16	05-Apr-00
L11907	SEDIMENT	K16	06-Apr-00
43010	SEDIMENT	K18	28-Mar-94
43213	SEDIMENT	K18	29-Mar-94
43238	SEDIMENT	K18	30-Mar-94
43239	SEDIMENT	K18	30-Mar-94
43274	SEDIMENT	K18	31-Mar-94
43278	SEDIMENT	K18	31-Mar-94
KAL157	SEDIMENT	K20	14-Feb-00
KAL158	SEDIMENT	K20	22-Feb-00
KAL159	SEDIMENT	K20	23-Feb-00
KAL160	SEDIMENT	K20	24-Feb-00
KAL161	SEDIMENT	K20	24-Feb-00
KAL162	SEDIMENT	K20	24-Feb-00
KAL163	SEDIMENT	K20	25-Feb-00
KAL164	SEDIMENT	K20	25-Feb-00
KAL165	SEDIMENT	K20	25-Feb-00
KAL219	SEDIMENT	K20	03-May-00
KAL220	SEDIMENT	K20	11-Apr-00
KAL221	SEDIMENT	K20	11-Apr-00
KAL222	SEDIMENT	K20	11-Apr-00
KAL223	SEDIMENT	K20	11-Apr-00
KAL224	SEDIMENT	K20	12-Apr-00
KAL225	SEDIMENT	K20	12-Apr-00
KAL226	SEDIMENT	K20	12-Apr-00
KAL228	SEDIMENT	K20	18-Apr-00
KAL229	SEDIMENT	K20	18-Apr-00
KAL237	SEDIMENT	K20	09-May-00
KAL242	SEDIMENT	K20	12-May-00
KAL245	SEDIMENT	K20	23-May-00
KAL263	SEDIMENT	K20	04-Aug-00
40088	SEDIMENT	K22	13-Oct-93
40090	SEDIMENT	K22	12-Oct-93
40144	SEDIMENT	K22	13-Oct-93
40145	SEDIMENT	K22	14-Oct-93
40146	SEDIMENT	K22	14-Oct-93
40811	FLOODPLAIN SOIL	K25	16-Nov-93

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
40815	FLOODPLAIN SOIL	K25	17-Nov-93
40850	FLOODPLAIN SOIL	K25	17-Nov-93
40852	FLOODPLAIN SOIL	K25	18-Nov-93
41480	FLOODPLAIN SOIL	K25	28-Dec-93
41486	FLOODPLAIN SOIL	K25	28-Dec-93
41488	FLOODPLAIN SOIL	K25	03-Jan-94
41529	FLOODPLAIN SOIL	K25	04-Jan-94
41534	FLOODPLAIN SOIL	K25	04-Jan-94
41544	FLOODPLAIN SOIL	K25	05-Jan-94
41670	FLOODPLAIN SOIL	K25	05-Jan-94
41671	FLOODPLAIN SOIL	K25	06-Jan-94
41689	FLOODPLAIN SOIL	K25	06-Jan-94
42388	FLOODPLAIN SOIL	K25	15-Feb-94
42395	FLOODPLAIN SOIL	K25	15-Feb-94
42397	FLOODPLAIN SOIL	K25	16-Feb-94
42476	FLOODPLAIN SOIL	K25	16-Feb-94
42478	FLOODPLAIN SOIL	K25	17-Feb-94
42479	FLOODPLAIN SOIL	K25	17-Feb-94
42480	FLOODPLAIN SOIL	K25	18-Feb-94
42491	FLOODPLAIN SOIL	K25	21-Feb-94
42558	FLOODPLAIN SOIL	K25	22-Feb-94
42582	FLOODPLAIN SOIL	K25	22-Feb-94
42587	FLOODPLAIN SOIL	K25	23-Feb-94
42590	FLOODPLAIN SOIL	K25	23-Feb-94
42591	FLOODPLAIN SOIL	K25	24-Feb-94
42594	FLOODPLAIN SOIL	K25	01-Mar-94
42712	FLOODPLAIN SOIL	K25	01-Mar-94
42715	FLOODPLAIN SOIL	K25	02-Mar-94
42719	FLOODPLAIN SOIL	K25	02-Mar-94
42720	FLOODPLAIN SOIL	K25	03-Mar-94
42767	FLOODPLAIN SOIL	K25	03-Mar-94
42782	FLOODPLAIN SOIL	K25	03-Mar-94
KAL382	FLOODPLAIN SOIL	K25	12-Aug-03
KAL383	FLOODPLAIN SOIL	K25	06-Aug-03
KAL384	FLOODPLAIN SOIL	K25	07-Aug-03
KAL385	FLOODPLAIN SOIL	K25	11-Aug-03
KAL386	FLOODPLAIN SOIL	K25	12-Aug-03
41730	SURFACE WATER	K30	11-Jan-94
42738	SURFACE WATER	K30	02-Mar-94
44722	SURFACE WATER	K30	22-Jun-94
45253	SURFACE WATER	K30	07-Jul-94
45515	SURFACE WATER	K30	21-Jul-94

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
45860	SURFACE WATER	K30	05-Aug-94
46432	SURFACE WATER	K30	01-Sep-94
46665	SURFACE WATER	K30	29-Sep-94
KLW002	SURFACE WATER	K30	03-Mar-00
KLW003	SURFACE WATER	K30	17-Mar-00
KLW004	SURFACE WATER	K30	29-Mar-00
KLW005	SURFACE WATER	K30	12-Apr-00
KLW018	SURFACE WATER	K30	16-May-00
KLW019	SURFACE WATER	K30	01-Jun-00
KLW020	SURFACE WATER	K30	15-Jun-00
KLW021	SURFACE WATER	K30	29-Jun-00
KLW022	SURFACE WATER	K30	13-Jul-00
KLW023	SURFACE WATER	K30	25-Jul-00
KLW024	SURFACE WATER	K30	27-Jul-00
KLW026	SURFACE WATER	K30	15-Aug-00
KLW030	SURFACE WATER	K30	30-Aug-00
KLW031	SURFACE WATER	K30	01-Sep-00
KLW033	SURFACE WATER	K30	12-Sep-00
KLW037	SURFACE WATER	K30	26-Sep-00
KLW040	SURFACE WATER	K30	10-Oct-00
KLW042	SURFACE WATER	K30	24-Oct-00
KLW044	SURFACE WATER	K30	08-Nov-00
KLW051	SURFACE WATER	K30	30-Nov-00
KLW052	SURFACE WATER	K30	14-Dec-00
KLW053	SURFACE WATER	K30	28-Dec-00
KLW054	SURFACE WATER	K30	10-Jan-01
KLW055	SURFACE WATER	K30	24-Jan-01
KLW027	SURFACE WATER	K32	17-Aug-00
KLW028	SURFACE WATER	K32	24-Aug-00
KLW029	SURFACE WATER	K32	28-Aug-00
KLW031	SURFACE WATER	K32	01-Sep-00
KLW032	SURFACE WATER	K32	07-Sep-00
KLW033	SURFACE WATER	K32	11-Sep-00
KLW034	SURFACE WATER	K32	18-Sep-00
KLW035	SURFACE WATER	K32	25-Sep-00
KLW038	SURFACE WATER	K32	02-Oct-00
KLW039	SURFACE WATER	K32	09-Oct-00
KLW041	SURFACE WATER	K32	19-Oct-00
KLW042	SURFACE WATER	K32	23-Oct-00
KLW043	SURFACE WATER	K32	09-Nov-00
KLW044	SURFACE WATER	K32	06-Nov-00
KLW045	SURFACE WATER	K32	13-Nov-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KLW047	SURFACE WATER	K32	16-Nov-00
KLW048	SURFACE WATER	K32	27-Nov-00
KLW050	SURFACE WATER	K32	30-Nov-00
KLW007		K34	
43567	SURFACE WATER	K34	15-Apr-94
43610	SURFACE WATER	K34	19-Apr-94
43721	SURFACE WATER	K34	02-May-94
43967	SURFACE WATER	K34	05-May-94
44015	SURFACE WATER	K34	07-May-94
45860	SURFACE WATER	K34	13-Aug-94
46017	SURFACE WATER	K34	14-Aug-94
46024	SURFACE WATER	K34	17-Aug-94
46083	SURFACE WATER	K34	24-Aug-94
46197	SURFACE WATER	K34	24-Aug-94
KLW006	SURFACE WATER	K34	23-Apr-00
KLW007	SURFACE WATER	K34	23-Apr-00
KLW008	SURFACE WATER	K34	24-Apr-00
KLW009	SURFACE WATER	K34	25-Apr-00
KLW010	SURFACE WATER	K34	26-Apr-00
KLW011	SURFACE WATER	K34	27-Apr-00
KLW012	SURFACE WATER	K34	29-Apr-00
KLW013	SURFACE WATER	K34	01-May-00
KLW014	SURFACE WATER	K34	10-May-00
KLW015	SURFACE WATER	K34	14-May-00
KLW016	SURFACE WATER	K34	14-May-00
KLW017	SURFACE WATER	K34	15-May-00
KLW018	SURFACE WATER	K34	16-May-00
KLW056	SURFACE WATER	K34	11-Feb-01
KLW057	SURFACE WATER	K34	11-Feb-01
KLW058	SURFACE WATER	K34	13-Feb-01
KLW059	SURFACE WATER	K34	14-Feb-01
KLW060	SURFACE WATER	K34	15-Feb-01
KLW061	SURFACE WATER	K34	18-Feb-01
KLW062	SURFACE WATER	K34	18-Feb-01
KLW063	SURFACE WATER	K34	18-Feb-01
KLW064	SURFACE WATER	K34	20-Feb-01
KLW065	SURFACE WATER	K34	22-Feb-01
KLW066	SURFACE WATER	K34	24-Feb-01
KLW025	SURFACE WATER	K36	30-Jul-00
KLW035	SURFACE WATER	K36	23-Sep-00
KLW036	SURFACE WATER	K36	26-Sep-00
KLW037	SURFACE WATER	K36	27-Sep-00

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SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KLW045	SURFACE WATER	K36	10-Nov-00
KLW046	SURFACE WATER	K36	14-Nov-00
KLW047	SURFACE WATER	K36	15-Nov-00
KLW049	SURFACE WATER	K36	28-Nov-00
KLW056	SURFACE WATER	K36	10-Feb-01
KLW057	SURFACE WATER	K36	09-Feb-01
KLW066	SURFACE WATER	K36	25-Feb-01
KLW067	SURFACE WATER	K36	27-Feb-01
39023	BIOTA	K40	26-Aug-93
39026	BIOTA	K40	26-Aug-93
39029	BIOTA	K40	30-Aug-93
39060	BIOTA	K40	01-Sep-93
39101	BIOTA	K40	26-Aug-93
39178	BIOTA	K40	16-Sep-93
39560	BIOTA	K40	01-Oct-93
39563	BIOTA	K40	06-Oct-93
39566	BIOTA	K40	07-Oct-93
39955	BIOTA	K40	11-Oct-93
39962	BIOTA	K40	14-Oct-93
39963	BIOTA	K40	09-Oct-93
39976	BIOTA	K40	13-Oct-93
40009	BIOTA	K40	13-Oct-93
40118	BIOTA	K40	12-Oct-93
40139	BIOTA	K40	13-Oct-93
40191	BIOTA	K40	14-Oct-93
40193	BIOTA	K40	14-Oct-93
40202	BIOTA	K40	09-Nov-93
40219	BIOTA	K40	15-Oct-93
42779	BIOTA	K40	09-Nov-93
42788	BIOTA	K40	14-Oct-93
FISH01	BIOTA	K40	15-Oct-97
FISH02	BIOTA	K40	17-Oct-97
FISH03	BIOTA	K40	21-Oct-97
FISH04	BIOTA	K40	21-Oct-97
FISH05	BIOTA	K40	23-Oct-97
FISH06	BIOTA	K40	28-Oct-97
FISH07	BIOTA	K40	29-Oct-97
FISH08	BIOTA	K40	10-Nov-97
KAL090	BIOTA	K40	26-Oct-99
KAL091	BIOTA	K40	26-Oct-99
KAL092	BIOTA	K40	27-Oct-99
KAL093	BIOTA	K40	28-Oct-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL094	BIOTA	K40	28-Oct-99
KAL095	BIOTA	K40	02-Nov-99
KAL096	BIOTA	K40	02-Nov-99
KAL097	BIOTA	K40	04-Nov-99
KAL098	BIOTA	K40	10-Nov-99
KAL099	BIOTA	K40	09-Nov-99
KAL100	BIOTA	K40	11-Nov-99
KAL101	BIOTA	K40	18-Nov-99
KAL102	BIOTA	K40	18-Nov-99
KAL103	BIOTA	K40	30-Nov-99
KAL104	BIOTA	K40	30-Nov-99
KAL104	BIOTA	K41	07-Dec-99
KAL105	BIOTA	K41	08-Dec-99
KAL106	BIOTA	K41	09-Dec-99
39058	BIOTA	K42	23-Sep-93
44286	BIOTA	K42	26-May-94
44496	BIOTA	K42	01-Jun-94
39990	BIOTA	K46	22-Oct-93
63956	SEDIMENT	K50	19-Feb-97
63959	SEDIMENT	K50	19-Feb-97
63960	SEDIMENT	K50	19-Feb-97
63962	SEDIMENT	K50	19-Feb-97
63964	SEDIMENT	K50	19-Feb-97
63969	SEDIMENT	K50	19-Feb-97
KAL002	SEDIMENT	K50	01-Jul-97
KAL003	SEDIMENT	K50	24-Jun-97
KAL004	SEDIMENT	K50	25-Jun-97
KAL005	SEDIMENT	K50	26-Jun-97
KAL006	SEDIMENT	K50	26-Jun-97
KAL007	SEDIMENT	K50	26-Jun-97
KAL008	SEDIMENT	K50	27-Jun-97
KAL009	SEDIMENT	K50	27-Jun-97
KAL010	SEDIMENT	K50	30-Jun-97
KAL011	SEDIMENT	K50	01-Jul-97
KAL012	SEDIMENT	K50	01-Jul-97
KAL013	SEDIMENT	K50	01-Jul-97
KAL014	SEDIMENT	K50	01-Jul-97
KAL015	SEDIMENT	K50	02-Jul-97
KAL016	SEDIMENT	K50	02-Jul-97
KAL017	SEDIMENT	K50	02-Jul-97
KAL018	SEDIMENT	K50	02-Jul-97
KAL019	SEDIMENT	K50	02-Jul-97

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL020	SEDIMENT	K50	03-Jul-97
KAL021	SEDIMENT	K50	03-Jul-97
KAL022	SEDIMENT	K50	03-Jul-97
KAL023	SEDIMENT	K50	07-Jul-97
KAL024	SEDIMENT	K50	08-Jul-97
KAL025	SEDIMENT	K50	08-Jul-97
KAL026	SEDIMENT	K50	08-Jul-97
KAL027	SEDIMENT	K50	08-Jul-97
KAL028	SEDIMENT	K50	08-Jul-97
KAL029	SEDIMENT	K50	09-Jul-97
KAL030	SEDIMENT	K50	09-Jul-97
KAL031	SEDIMENT	K50	09-Jul-97
KAL032	SEDIMENT	K50	09-Jul-97
KAL033	SEDIMENT	K50	10-Jul-97
KAL034	SEDIMENT	K50	10-Jul-97
KAL035	SEDIMENT	K50	10-Jul-97
KAL036	SEDIMENT	K50	10-Jul-97
KAL037	SEDIMENT	K50	10-Jul-97
KAL038	SEDIMENT	K50	10-Jul-97
KAL039	SEDIMENT	K50	11-Jul-97
KAL040	SEDIMENT	K50	11-Jul-97
KAL041	SEDIMENT	K50	11-Jul-97
KAL042	SEDIMENT	K50	14-Jul-97
KAL043	SEDIMENT	K50	14-Jul-97
KAL044	SEDIMENT	K50	14-Jul-97
KAL045	SEDIMENT	K50	15-Jul-97
KAL067	SEDIMENT	K50	08-Jul-97
KAL045	SEDIMENT	K51	15-Jul-97
KAL046	SEDIMENT	K51	15-Jul-97
KAL047	SEDIMENT	K51	16-Jul-97
KAL048	SEDIMENT	K51	16-Jul-97
KAL049	SEDIMENT	K51	16-Jul-97
KAL050	SEDIMENT	K51	16-Jul-97
KAL051	SEDIMENT	K51	16-Jul-97
KAL052	SEDIMENT	K51	16-Jul-97
KAL053	SEDIMENT	K51	17-Jul-97
KAL054	SEDIMENT	K51	17-Jul-97
KAL055	SEDIMENT	K51	17-Jul-97
KAL056	SEDIMENT	K51	17-Jul-97
KAL057	SEDIMENT	K51	18-Jul-97
KAL058	SEDIMENT	K51	18-Jul-97
KAL059	SEDIMENT	K51	23-Jul-97

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL060	SEDIMENT	K51	24-Jul-97
KAL061	SEDIMENT	K51	23-Jul-97
KAL062	SEDIMENT	K51	23-Jul-97
KAL063	SEDIMENT	K51	24-Jul-97
KAL064	SEDIMENT	K51	24-Jul-97
KAL065	SEDIMENT	K51	24-Jul-97
KAL066	SEDIMENT	K51	25-Jul-97
KAL067	SEDIMENT	K51	23-Jul-97
KAL068	SEDIMENT	K51	24-Jul-97
KAL107	SEDIMENT	K51	09-Dec-99
KAL108	SEDIMENT	K51	09-Dec-99
KAL109	SEDIMENT	K51	13-Dec-99
KAL110	SEDIMENT	K51	13-Dec-99
KAL111	SEDIMENT	K51	13-Dec-99
KAL112	SEDIMENT	K51	14-Dec-99
KAL113	SEDIMENT	K51	14-Dec-99
KAL114	SEDIMENT	K51	15-Dec-99
KAL115	SEDIMENT	K51	15-Dec-99
KAL116	SEDIMENT	K51	15-Dec-99
KAL117	SEDIMENT	K51	20-Dec-99
KAL118	SEDIMENT	K51	21-Dec-99
KAL119	SEDIMENT	K51	21-Dec-99
KAL120	SEDIMENT	K51	21-Dec-99
KAL121	SEDIMENT	K51	21-Dec-99
KAL122	SEDIMENT	K51	21-Dec-99
KAL123	SEDIMENT	K51	21-Dec-99
KAL124	SEDIMENT	K51	22-Dec-99
KAL125	SEDIMENT	K51	22-Dec-99
KAL126	SEDIMENT	K51	23-Dec-99
KAL127	SEDIMENT	K51	23-Dec-99
KAL128	SEDIMENT	K51	23-Dec-99
KAL129	SEDIMENT	K51	04-Jan-00
KAL130	SEDIMENT	K51	04-Jan-00
KAL131	SEDIMENT	K51	04-Jan-00
KAL132	SEDIMENT	K51	04-Jan-00
KAL133	SEDIMENT	K51	05-Jan-00
KAL134	SEDIMENT	K51	05-Jan-00
KAL135	SEDIMENT	K51	05-Jan-00
KAL132	SEDIMENT	K52	07-Jan-00
KAL135	SEDIMENT	K52	05-Jan-00
KAL136	SEDIMENT	K52	05-Jan-00
KAL137	SEDIMENT	K52	06-Jan-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL138	SEDIMENT	K52	06-Jan-00
KAL139	SEDIMENT	K52	06-Jan-00
KAL140	SEDIMENT	K52	06-Jan-00
KAL141	SEDIMENT	K52	06-Jan-00
KAL142	SEDIMENT	K52	06-Jan-00
KAL143	SEDIMENT	K52	10-Jan-00
KAL144	SEDIMENT	K52	10-Jan-00
KAL145	SEDIMENT	K52	10-Jan-00
KAL146	SEDIMENT	K52	10-Jan-00
KAL147	SEDIMENT	K52	10-Jan-00
KAL148	SEDIMENT	K52	11-Jan-00
KAL149	SEDIMENT	K52	11-Jan-00
KAL150	SEDIMENT	K52	12-Jan-00
KAL151	SEDIMENT	K52	12-Jan-00
KAL152	SEDIMENT	K52	13-Jan-00
KAL153	SEDIMENT	K52	13-Jan-00
KAL154	SEDIMENT	K52	13-Jan-00
KAL155	SEDIMENT	K52	13-Jan-00
KAL157	SEDIMENT	K52	13-Jan-00
KAL167	SEDIMENT	K52	29-Feb-00
KAL168	SEDIMENT	K52	07-Mar-00
KAL169	SEDIMENT	K52	08-Mar-00
KAL170	SEDIMENT	K52	09-Mar-00
KAL171	SEDIMENT	K52	09-Mar-00
KAL172	SEDIMENT	K52	09-Mar-00
KAL173	SEDIMENT	K52	09-Mar-00
KAL174	SEDIMENT	K52	13-Mar-00
KAL175	SEDIMENT	K52	13-Mar-00
KAL176	SEDIMENT	K52	14-Mar-00
KAL177	SEDIMENT	K52	14-Mar-00
KAL178	SEDIMENT	K52	14-Mar-00
KAL179	SEDIMENT	K52	15-Mar-00
KAL180	SEDIMENT	K52	15-Mar-00
KAL181	SEDIMENT	K52	15-Mar-00
KAL182	SEDIMENT	K52	15-Mar-00
KAL183	SEDIMENT	K52	16-Mar-00
KAL184	SEDIMENT	K52	16-Mar-00
KAL189	SEDIMENT	K52	07-Jan-00
KAL190	SEDIMENT	K52	10-Jan-00
KAL191	SEDIMENT	K52	10-Jan-00
KAL192	SEDIMENT	K52	10-Jan-00
KAL193	SEDIMENT	K52	10-Jan-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL194	SEDIMENT	K52	11-Jan-00
KAL195	SEDIMENT	K52	12-Jan-00
KAL196	SEDIMENT	K52	12-Jan-00
KAL197	SEDIMENT	K52	12-Jan-00
KAL198	SEDIMENT	K52	13-Jan-00
KAL199	SEDIMENT	K52	13-Jan-00
45676	SEDIMENT	K53	05-Jul-00
45677	SEDIMENT	K53	08-Jun-00
45682	SEDIMENT	K53	24-Jul-00
45694	SEDIMENT	K53	05-Jul-00
45695	SEDIMENT	K53	10-Aug-00
45696	SEDIMENT	K53	10-Aug-00
45697	SEDIMENT	K53	22-Aug-00
45716	SEDIMENT	K53	01-Aug-00
45724	SEDIMENT	K53	10-Aug-00
KAL184	SEDIMENT	K53	16-Mar-00
KAL185	SEDIMENT	K53	16-Mar-00
KAL186	SEDIMENT	K53	21-Mar-00
KAL200	SEDIMENT	K53	22-Mar-00
KAL201	SEDIMENT	K53	22-Mar-00
KAL202	SEDIMENT	K53	28-Mar-00
KAL203	SEDIMENT	K53	28-Mar-00
KAL204	SEDIMENT	K53	29-Mar-00
KAL205	SEDIMENT	K53	29-Mar-00
KAL207	SEDIMENT	K53	30-Mar-00
KAL208	SEDIMENT	K53	30-Mar-00
KAL213	SEDIMENT	K53	04-Apr-00
KAL214	SEDIMENT	K53	05-Apr-00
KAL215	SEDIMENT	K53	05-Apr-00
KAL216	SEDIMENT	K53	04-May-00
KAL217	SEDIMENT	K53	04-May-00
KAL218	SEDIMENT	K53	04-May-00
KAL219	SEDIMENT	K53	04-May-00
KAL229	SEDIMENT	K53	18-Apr-00
KAL230	SEDIMENT	K53	18-Apr-00
KAL233	SEDIMENT	K53	08-May-00
KAL234	SEDIMENT	K53	08-May-00
KAL235	SEDIMENT	K53	08-May-00
KAL237	SEDIMENT	K53	11-May-00
KAL238	SEDIMENT	K53	11-May-00
KAL239	SEDIMENT	K53	11-May-00
KAL240	SEDIMENT	K53	11-May-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL245	SEDIMENT	K53	23-May-00
KAL249	SEDIMENT	K53	06-Jun-00
KAL250	SEDIMENT	K53	06-Jun-00
KAL251	SEDIMENT	K53	06-Jun-00
KAL254	SEDIMENT	K53	13-Jun-00
KAL255	SEDIMENT	K53	14-Jun-00
KAL257	SEDIMENT	K53	07-Jul-00
KAL258	SEDIMENT	K53	07-Jul-00
KAL259	SEDIMENT	K53	07-Jul-00
KAL260	SEDIMENT	K53	12-Jul-00
KAL262	SEDIMENT	K53	19-Jul-00
KAL281	SEDIMENT	K53	19-Jul-00
KAL301	SEDIMENT	K53	08-Jun-00
KAL302	SEDIMENT	K53	05-Jul-00
KAL303	SEDIMENT	K53	05-Jul-00
KAL304	SEDIMENT	K53	13-Jul-00
KAL305	SEDIMENT	K53	24-Jul-00
KAL306	SEDIMENT	K53	27-Jul-00
KAL307	SEDIMENT	K53	27-Jul-00
KAL308	SEDIMENT	K53	31-Jul-00
KAL309	SEDIMENT	K53	01-Aug-00
KAL310	SEDIMENT	K53	10-Aug-00
KAL311	SEDIMENT	K53	10-Aug-00
KAL312	SEDIMENT	K53	22-Aug-00
KAL318	SEDIMENT	K53	04-Apr-00
KAL324	SEDIMENT	K53	24-Jul-00
KAL325	SEDIMENT	K53	22-Aug-00
45254	SEDIMENT	K54	14-Nov-00
45255	SEDIMENT	K54	14-Nov-00
45288	SEDIMENT	K54	15-Nov-00
45289	SEDIMENT	K54	16-Nov-00
45311	SEDIMENT	K54	16-Nov-00
45329	SEDIMENT	K54	28-Nov-00
45332	SEDIMENT	K54	28-Nov-00
45333	SEDIMENT	K54	29-Nov-00
45389	SEDIMENT	K54	29-Nov-00
45391	SEDIMENT	K54	29-Nov-00
45395	SEDIMENT	K54	29-Nov-00
45419	SEDIMENT	K54	29-Nov-00
45420	SEDIMENT	K54	29-Nov-00
45438	SEDIMENT	K54	29-Nov-00
45448	SEDIMENT	K54	30-Nov-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
45455	SEDIMENT	K54	30-Nov-00
45467	SEDIMENT	K54	30-Nov-00
45494	SEDIMENT	K54	30-Nov-00
45495	SEDIMENT	K54	30-Nov-00
45675	SEDIMENT	K54	21-Sep-00
45682	SEDIMENT	K54	06-Sep-00
45685	SEDIMENT	K54	29-Oct-00
45686	SEDIMENT	K54	04-Oct-00
45688	SEDIMENT	K54	04-Oct-00
45697	SEDIMENT	K54	22-Aug-00
45698	SEDIMENT	K54	03-Oct-00
45702	SEDIMENT	K54	03-Oct-00
45703	SEDIMENT	K54	03-Oct-00
45704	SEDIMENT	K54	04-Oct-00
45717	SEDIMENT	K54	04-Oct-00
45724	SEDIMENT	K54	04-Oct-00
45909	SEDIMENT	K54	15-Nov-00
KAL274	SEDIMENT	K54	14-Sep-00
KAL275	SEDIMENT	K54	14-Sep-00
KAL276	SEDIMENT	K54	14-Sep-00
KAL277	SEDIMENT	K54	14-Sep-00
KAL312	SEDIMENT	K54	22-Aug-00
KAL313	SEDIMENT	K54	29-Aug-00
KAL314	SEDIMENT	K54	31-Aug-00
KAL315	SEDIMENT	K54	06-Sep-00
KAL316	SEDIMENT	K54	06-Sep-00
KAL317	SEDIMENT	K54	21-Sep-00
KAL318	SEDIMENT	K54	26-Sep-00
KAL319	SEDIMENT	K54	26-Sep-00
KAL320	SEDIMENT	K54	27-Sep-00
KAL321	SEDIMENT	K54	29-Oct-00
KAL322	SEDIMENT	K54	29-Oct-00
KAL325	SEDIMENT	K54	22-Aug-00
KAL326	SEDIMENT	K54	31-Aug-00
KAL327	SEDIMENT	K54	21-Sep-00
KAL328	SEDIMENT	K54	26-Sep-00
KAL329	SEDIMENT	K54	27-Sep-00
KAL330	SEDIMENT	K54	29-Oct-00
KAL331	SEDIMENT	K54	13-Nov-00
KAL332	SEDIMENT	K54	29-Nov-00
KAL333	SEDIMENT	K54	30-Nov-00
KAL335	SEDIMENT	K54	03-Oct-00

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SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
KAL336	SEDIMENT	K54	03-Oct-00
KAL337	SEDIMENT	K54	03-Oct-00
KAL338	SEDIMENT	K54	04-Oct-00
KAL339	SEDIMENT	K54	04-Oct-00
KAL340	SEDIMENT	K54	04-Oct-00
KAL341	SEDIMENT	K54	04-Oct-00
KAL402	SEDIMENT	K54	21-Sep-05
KAL403	SEDIMENT	K54	21-Sep-05
KAL403a	SEDIMENT	K54	21-Sep-05
KAL405	SEDIMENT	K54	04-Jan-06
KAL407	SEDIMENT	K54	04-Jan-06
KAL415	SEDIMENT	K54	04-Jan-06
KAL405	SEDIMENT	K55	04-Jan-06
KAL407	SEDIMENT	K55	05-Jan-06
KAL408	SEDIMENT	K55	05-Jan-06
KAL409	SEDIMENT	K55	09-Jan-06
KAL410	SEDIMENT	K55	10-Jan-06
KAL411	SEDIMENT	K55	10-Jan-06
KAL412	SEDIMENT	K55	11-Jan-06
KAL413	SEDIMENT	K55	11-Jan-06
KAL414	SEDIMENT	K55	11-Jan-06
KAL415	SEDIMENT	K55	05-Jan-06
KAL416	SEDIMENT	K55	10-Jan-06
KAL417	SEDIMENT	K55	11-Jan-06
KAL419	SEDIMENT	K55	10-Jan-06
KAL421	SEDIMENT	K55	10-Jul-06
KAL422	SEDIMENT	K55	10-Jul-06
KAL423	SEDIMENT	K55	10-Jul-06
KAL424	SEDIMENT	K55	10-Aug-06
KAL426	SEDIMENT	K55	31-Aug-06
KAL427	SEDIMENT	K55	31-Aug-06
46093	RESIDUALS	M58	17-Aug-94
Portage Creek			
37807	FLOODPLAIN SOIL	P10	07-Jul-93
38383	FLOODPLAIN SOIL	P10	02-Aug-93
38392	FLOODPLAIN SOIL	P10	02-Aug-93
40667	BIOTA	P40	09-Nov-93
KAL096	BIOTA	P40	03-Nov-99
KAL089	BIOTA	PCC	15-Sep-99
QA/QC Samples			
KAL345	SEDIMENT	Q54	28-Nov-00
KAL346	SEDIMENT	Q54	29-Nov-00

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
45772	SEDIMENT	QC0	01-Feb-01
KAL344	SEDIMENT	QC0	01-Feb-01
45772	SOIL	QC0	31-Jan-01
KAL344	SOIL	QC0	31-Jan-01
Simpson Plainwell Mill Samples			
44622	RESIDUALS	S56	07-Jun-94
44707	RESIDUALS	S56	08-Jun-94
44622	SOIL	S56	08-Jun-94
44707	SOIL	S56	16-Jun-94
12th Street Landfill OU			
38102	RESIDUALS	T90	10-Aug-93
38129	RESIDUALS	T90	22-Jul-93
38536	RESIDUALS	T90	13-Aug-93
38715	RESIDUALS	T90	17-Aug-93
38723	RESIDUALS	T90	12-Aug-93
38102	SOIL	T90	28-Jul-93
38104	SOIL	T90	30-Jul-93
38304	SOIL	T90	10-Aug-93
38489	SOIL	T90	17-Aug-93
38723	SOIL	T90	12-Aug-93
39376	GROUNDWATER	T94	10-Sep-93
39418	GROUNDWATER	T94	16-Sep-93
44001	GROUNDWATER	T96	04-May-94
Willow Boulevard/ A-Site OU			
000013	AIR	W	03-Jan-00
000136	AIR	W	07-Jan-00
000190	AIR	W	11-Jan-00
000262	AIR	W	13-Jan-00
000278	AIR	W	14-Jan-00
000294	AIR	W	17-Jan-00
000324	AIR	W	18-Jan-00
000331	AIR	W	19-Jan-00
000356	AIR	W	20-Jan-00
000375	AIR	W	21-Jan-00
000396	AIR	W	24-Jan-00
000413	AIR	W	25-Jan-00
000436	AIR	W	26-Jan-00
000448	AIR	W	27-Jan-00
000468	AIR	W	28-Jan-00
996034	AIR	W	30-Nov-99
996076	AIR	W	01-Dec-99
996117	AIR	W	03-Dec-99

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
996127	AIR	W	04-Dec-99
996225	AIR	W	07-Dec-99
996265	AIR	W	08-Dec-99
996290	AIR	W	13-Dec-99
996318	AIR	W	14-Dec-99
996382	AIR	W	16-Dec-99
996393	AIR	W	16-Dec-99
996418	AIR	W	17-Dec-99
996445	AIR	W	20-Dec-99
996467	AIR	W	21-Dec-99
996480	AIR	W	22-Dec-99
996512	AIR	W	28-Dec-99
996534	AIR	W	29-Dec-99
996551	AIR	W	30-Dec-99
38092	RESIDUALS	W70	29-Jul-93
38093	RESIDUALS	W70	29-Jul-93
38305	RESIDUALS	W70	09-Aug-93
38496	RESIDUALS	W70	16-Aug-93
38537	RESIDUALS	W70	16-Aug-93
38791	RESIDUALS	W70	31-Aug-93
39012	RESIDUALS	W70	30-Aug-93
39069	RESIDUALS	W70	01-Sep-93
39297	RESIDUALS	W70	01-Sep-93
39724	RESIDUALS	W70	27-Sep-93
000055	SOIL	W70	10-Dec-99
000056	SOIL	W70	05-Jan-00
000135	SOIL	W70	07-Jan-00
000191	SOIL	W70	11-Jan-00
000236	SOIL	W70	13-Jan-00
000264	SOIL	W70	14-Jan-00
000295	SOIL	W70	18-Jan-00
38094	SOIL	W70	29-Jul-93
38127	SOIL	W70	26-Jul-93
38494	SOIL	W70	16-Aug-93
38890	SOIL	W70	01-Sep-93
39012	SOIL	W70	07-Sep-93
39359	SOIL	W70	07-Sep-93
39728	SOIL	W70	28-Sep-93
39732	SOIL	W70	28-Sep-93
996033	SOIL	W70	30-Nov-99
996077	SOIL	W70	01-Dec-99
40003	GROUNDWATER	W74	13-Oct-93

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Table 3 -- Kalamazoo River Analytical SDGs

SDG Number	Sample Matrix	Truncated Sample ID	Last Sample Date
40085	GROUNDWATER	W74	15-Oct-93
KAL290	GROUNDWATER	W74	18-Nov-00
KAL294	GROUNDWATER	W74	20-Nov-00
KAL323	GROUNDWATER	W74	27-Dec-00
000130	SURFACE WATER	W76	07-Jan-99
000237	SURFACE WATER	W76	13-Jan-00
000263	SURFACE WATER	W76	14-Jan-00
000277	SURFACE WATER	W76	17-Jan-00
000296	SURFACE WATER	W76	18-Jan-00
38140	SURFACE WATER	W76	22-Jul-93
996264	SURFACE WATER	W76	09-Dec-99
996266	SURFACE WATER	W76	10-Dec-99
996319	SURFACE WATER	W76	15-Dec-99
996394	SURFACE WATER	W76	17-Dec-99
996410	SURFACE WATER	W76	20-Dec-99
996447	SURFACE WATER	W76	21-Dec-99
996466	SURFACE WATER	W76	22-Dec-99
996495	SURFACE WATER	W76	27-Dec-99
996552	SURFACE WATER	W76	30-Dec-99
38127	SEDIMENT	W78	22-Jul-93
38305	SEDIMENT	W78	29-Jul-93
44001	GROUNDWATER	W79	05-May-94
King Street Storm Sewer Samples			
38218	SOIL	Z18	27-Jul-93
38222	SOIL	Z18	27-Jul-93
992886	SOIL	Z18	17-Jun-99
992935	SOIL	Z18	21-Jun-99
992966	SOIL	Z18	22-Jun-99
993018	SOIL	Z18	24-Jun-99
993129	SOIL	Z18	30-Jun-99
992912-01	SOIL	Z18	18-Jun-99
992817	SURFACE WATER	Z19	15-Jun-99
992844	SURFACE WATER	Z19	16-Jun-99
992887	SURFACE WATER	Z19	17-Jun-99
992909	SURFACE WATER	Z19	18-Jun-99
992932	SURFACE WATER	Z19	21-Jun-99
992964	SURFACE WATER	Z19	22-Jun-99